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***Don't forget to sign up on the reflector!!***

***June/July 2014 Edition***

**From the President:**

I hope all of you are having a great summer. I have had a few projects and other things to keep busy, but keep heading back to my radio when I get a chance. So far I have kept up with the W1AW portable stations, and as of writing this have 49 states and waiting for Maine in a couple of weeks. As for building I continue to work with my arduino board trying to find some radio applications. At the last meeting I demonstrated my program that allows me to type in text which then gets converted into CW. Finally an application.

Last month, Jeremy, KC0LDI, and I were invited to Paul's, N0TYE, house to help him install about 20 radials for his new vertical antenna that he got from Bob, K9OSC. The lesson I learned from this adventure was to never get a vertical unless someone else is installing the radials! However we did have a lot of fun and Bob came over to encourage us and take pictures. See one of them below for an example of the fun.

Also in June was Field Day. Tom, WM0SS, and Larry, KB0R, did a great job getting us the same site we had last year at the campground in Savage. A few of you showed up to offer support, get on the air, set up and tear down - thank you for supporting the effort. Also below is a picture of the dynamic duo in action.

I hope to see you at the August 2nd meeting where Tim, WD9IGX, will talk to us about building a 2-meter J-pole.

73 de chuck ka8hde

**June Meeting Minutes**

Chuck Stroud, KA8HDE, called the meeting to order at 1:30 PM. 14 were in attendance.

**Old Business:**

- May's meeting minutes were approved.
- Paul Bushouse, N0TYE, reviewed the club finances. Currently there is \$1909.50 in the account.

- There was a reminder to renew your membership for the year. It is still \$20.
- Field Day Report: The Town & Country Campground in Savage will be the location for Field Day. Two adjacent spots with good trees have been reserved.

### **New Business:**

- There will be no meeting in July. August 2 will be the next regularly scheduled meeting.

Business meeting was adjourned.

### **From: Paul Bushouse, N0TYE**

I have recently purchased a 4BTV antenna, and am in the process of installing it. This is 10/15/20/40 Meter vertical and does require buried radials. The radials are needed because while the antenna does have a couple of traps for multi-band operation, it does not have any sort of ground plane. Therefore, the user is encouraged to bury wire radials around it. I purchased a 500 foot spool of #14 stranded wire and used most of it.

I had two very hard-working volunteers help me out that day. Jeremy KC0LDI and Chuck KA8HDE seemed to know their way around playing in the dirt that day. We laid out about 20 lengths of wire, in varying lengths, coming out from the base of the mast. We then used a power lawn edger to cut a narrow slit in the turf, and then with various tools attempted to poke the wires down into the dirt. It went in fairly easily, and then

just walked along the slit, to push the sod back together again.

We then ended the work session with hamburgers on the grill.

I have since pounded the steel mounting mast about 4 feet into the ground, and now have to get the antenna expert Bob K9OSC over to help me get it tuned it up, and see that it is working properly.

It has been a fun project.



## Show & Tell:

**Les Bearl**, N0PPF, brought in a National NC100 receiver he got from work. After telling us about its operation and what it was previously used for there was some discussion about using it as a frequency reference.



**John Krawczak**, KJ0P brought in a custom serial cable he built to control his telescope. He also brought in Lightning Arrestors with feed throughs he obtained at Axe Man

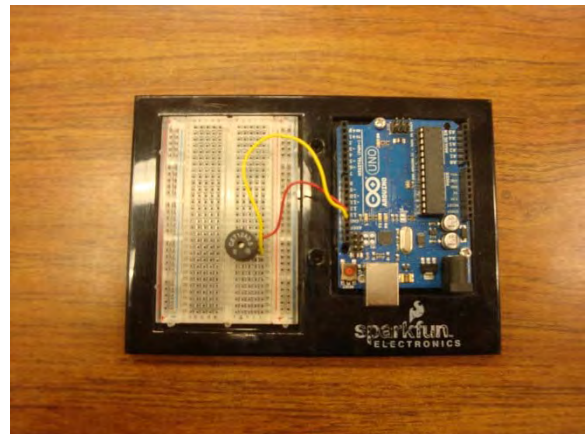
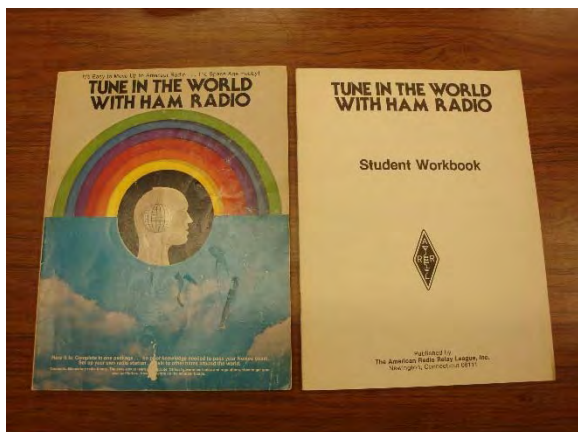


**Paul Bushouse**, N0TYE brought in a Heil headset & boom he recently obtained. He also brought in cables for the club members who might want them.

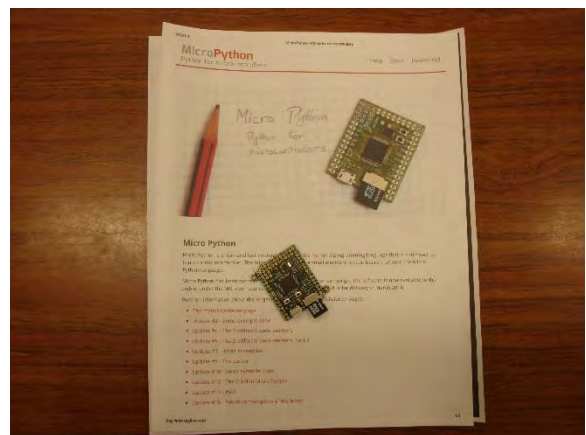




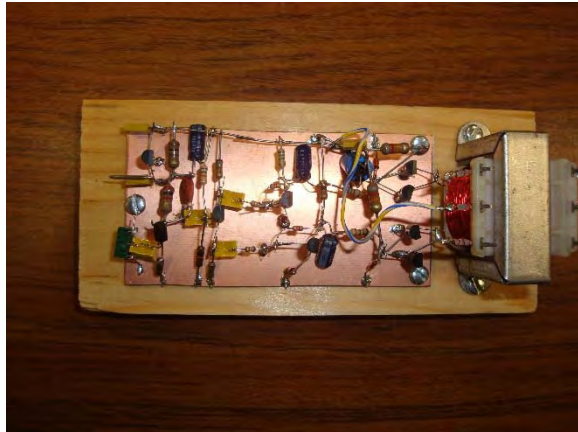
**Chuck Stroud, KA8HDE**, brought in a J37 straight key. He also brought in an original copy of "Tune in the World With Ham Radio" and his latest experiment with Arduino which was programmed to send Morse Code.



**Tom Kent, WM0SS**, brought in information about the Micro Python board with the ST32M4 processor. Tom explained how the code allows you to access the hardware. He also mentioned that Python books are readily available. Tom outlined a number of possible applications.



**Mert Nellis**, W0UFO brought us up to date on the latest version of the AM modulator he has been working on.



**Phil Schweitzer**, K0CD brought in a novel lock washer that uses tension rather than friction. When set to finger tight it was impossible to loosen by hand.



### **Field Day:**



*Larry Gaalaas/KB0R Tom Kent/WM0SS*

Respectfully submitted,

Steve, NW0C

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### ***Club Officers:***

*President: Chuck Stroud/KA8HDE  
Vice Pres: Larry Gaalaas/KB0R  
Secretary: Steve Ulrich/NW0C  
Treasurer: Paul Bushouse/N0TYE  
At Large: Tom Kent/WM0SS*

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